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	Company:	Blakely, Sokoloff, Taylor & Zafman LLP
	Fax Number:	503-439-6073
	Voice Phone:	503-439-8778
From:	Name:	J. Derek Ruttan
	Voice Phone:	571-272-3703

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Fax Notes:

Mr. Hunter,

Please review the attached draft examiner's amendment. As indicated during our conversation earlier today, I'll need a return fax signed by Mr. Caldwell, or a phone call indicating approval for the amendment. Additionally, please let me know as soon as the terminal disclaimers are filed so that I can expedite the terminal disclaimer review process.

Thanks,
Derek Ruttan
Primary Patent Examiner, AU2192

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U.S. Application No.: 10749757
Attorney Docket No.: 6570P037

Attn: Spencer Hunter, Clerk for Gregory Caldwell, Reg. No. 39,926
Fax No.: 503-439-6073

Draft Examiner's Amendment

40. (Currently amended) A method for modifying an application to provide functionality for tracing a program flow of the application at a user-configurable level of granularity specified via a Graphical User Interface presented at an end-user device, the method comprising: reading program code from memory and processing said program code with one or more processors to perform the following: presenting to the end-user device via the Graphical User Interface, options for modifying the application's bytecode by injecting tracing and debugging operations into the application's bytecode at the user-configurable level of granularity specified via the Graphical User Interface, wherein the application is composed of a plurality of archive files associated with two or more distinct tiers in a multi-tiered architecture, the archive files having respective class files, and the respective class files having respective methods, and wherein the options for modifying the application's bytecode includes: modifying bytecode of only a subset of a plurality methods from which the application is composed, the subset of the plurality of methods selected from two or more class files in two or more archive files

composing the application's bytecode as specified via the Graphical User Interface presented to the end-user device, wherein the two or more archive files are associated with two or more distinct tiers of the multi-tiered architecture, and wherein the modified subset of the plurality of methods specified provides the user-configurable level of granularity by providing the functionality for tracing the program flow of the application through only the subset of the plurality of methods specified via the tracing and debugging operations injected into the subset of the plurality of methods specified;

executing the application in an object oriented runtime frame work, wherein executing the application includes processing a portion of the application's bytecode that was modified in accordance with the user-configurable level of granularity specified via the Graphical User Interface; and

presenting output generated from execution of the portion of the application's bytecode that was modified to the end-user device via the Graphical User Interface;

wherein the portion of the application's bytecode that was modified includes a method entry or method exit;

wherein said dispatch unit is invoked by the modified bytecode and recognizes the invoking method associated with the modified bytecode

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by way of receiving the invoking method's class identifier, the invoking method's identifier, and the invoking method's parameters;
wherein the dispatch unit redirects program flow to one or more plug-in modules comprising plug-in handlers; and
wherein said output is provided by said plug-in handlers.

Claims 42-43 (Canceled).

Independent claims 45 and 50 would require similar amendments, and respective dependent claims 47-48 and 52-53 would likewise be canceled.

The following patent application and issued patents present double patenting issues which could be obviated by filing supplemental terminal disclaimers:

App. No. 10/750,160

Patent Nos. 7,367,025 7,506,315 7,707,557 7,743,367

Sincerely,

Derek Ruttan
Primary Patent Examiner, AU 2192
Phone: 571-272-3703
Fax: 571-273-3703